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Date Reviewed: Spring 2024  
C & G Ed approval: February 23, 2024  
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Semester effective:

Environmental Health & Safety (EHS) 1550 Endangered Species Regulation and Protection (3 Units)  
CSU

Advisory: Eligibility for English 1500 and 1501 strongly recommended.

Hours and Units Calculations:

48 hours Lecture. 96 Outside-of-class Hours (144 Total Student Learning Hours) 3 Units

Catalog Description: This course provides a basic understanding of the Federal and California Endangered Species Act including the policies and practices applicable to wildlife and plant species. Obtaining practical knowledge of how business and industry can navigate regulations to operate in a way of mutual existence within the environment.

Type of Class/Course: Degree Credit

Text: Donlon, Josh.. *Proactive Strategies for Protecting Species: Pre-Listing Conservation and Endangered Species Act.*, University of California Press, 2015.

Additional Materials: None

Student Learning Outcomes:

1. Ability to describe the protections afforded by the Federal and California Endangered Species Acts including agency policies and guidelines.
2. Distinguish the differences between Threatened and Endangered species including the protection afforded by State and Federal regulations.
3. Demonstrate an understanding of critical habitat designation, consultation process, violations, and penalties, associated with the Endangered Species Act.
4. Analyze the endangered species (Plant and Animal) and habitat that are located with the San Joaquin Valley.

Course Objectives:

By the end of the course, a successful student will be able to:

1. Review project activities that are likely to trigger environmental regulation under State or Federal Endangered Species Acts and discuss their basis.

2. Understanding the role of various State and Federal regulatory agencies regarding issues associated with Endangered Species.
3. Provide regulatory path to compliance with Endangered Species Act, including required permits through application and consultation processes.
4. Understanding of Section 7 consultation and biological assessments, Section 10(a) incidental take permits, and Habitat Conservation Plans (HCPs).

Course Scope and Content:

Unit I Introduction

- A. Historical Perspective of Environmental Species Act
- B. Philosophy of Environmental Species Act

Unit II Endangered Species act of 1973 (Federal)

- A. Section 7 Consultation and Biological Assessment
- B. Section 10(a) Incidental Take Permits
- C. Habitat Conservation Plans (HCPs)

Unit III Endangered Species Act of 1970 (California)

- A. Section 2081 Incidental Take Permits
- B. Endangered Species Provisions of CEQA
- C. California Native Plant Protection Act

Unit IV Federal Threatened and Endangered Species

- A. Threatened or Endangered Animal Species List
- B. Threatened or Endangered Plant Species List

Unit V California's Threatened and Endangered Species

- A. Threatened or Endangered Animal Species List
- B. Threatened or Endangered Plant Species List
- C. California Natural Diversity Database

Unit VI Introduction and Perspectives

- A. An Introduction to Pre-Listing Conservation
- B. A Primer on Species Avoidance, Minimization, and Compensatory Mitigation
- C. Perspective: Endangered Species, the Desert Tortoise and Job Creation
- D. Perspective: Renewable energy and Endangered Species
- E. Perspective: Stewardship over Regulation and Harnessing the Agricultural Sector
- F. Forest Conservation and Private Landowners

Unit VII Pre-Listing Conservation Programs

- A. Pre-Listing Conservation: Law, Policy, and Pilot Projects
- B. A Primer on Biodiversity Measurement Systems
- C. A Landowner-Centered Approach to Incentivizing Participation in Pre-Listing
- D. Market Models and Finance for Upstream Species Conservation
- E. Tools to Promote Transparent and Efficient Markets for Species Conservation

Unit VIII Case Studies



- A. Prospectives for Pre-Listing Conservation in Freshwater Ecosystems
- B. The Greater Sage-Grouse, Energy Development, and Pre-Listing Conservation
- C. The Gopher tortoise, Military Readiness, and Pre-Listing Conservation
- D. The Future of Pre-Listing Conservation Programs for Wildlife Conservation

Learning Activities Required Outside of Class:

The students in this class will spend a minimum of 6 hours per week outside of the regular class time doing the following:

- 1. Studying
- 2. Writing assignments
- 3. Required reading
- 4. Essays
- 5. Term papers

Methods of Instruction:

- 1. Lecture
- 2. Class discussion
- 3. Technology/Audio-Visual Aids
- 4. Use of the texts online study guide and supplemental material
- 5. Assigned reading from text
- 6. Collaborative Learning/Small Group Work

Methods of Evaluation:

- 1. Exams and quizzes
- 2. Homework assignments
- 3. Research Projects

Supplemental Data:

TOP Code:	0302.00 – Environmental Studies
SAM Priority Code:	E: Non-Occupational
Distance Education:	Y
Funding Agency:	Y: Not Applicable (funds not used)

Program Status:	1: Program Applicable
Noncredit Category:	Y: Not Applicable, Credit Course
Special Class Status:	N: Course is not a special class
Basic Skills Status:	N: Course is not a basic skills course
Prior to College Level:	Y: Not applicable
Cooperative Work Experience:	N: Is not part of a cooperative work experience education program
Eligible for Credit by Exam:	Yes
Eligible for Pass/No Pass:	Yes
Taft College General Education:	NONE
Discipline:	Environmental Technologies or Ecology or Biological Sciences or Forestry/Natural Resources